



US005487180A

United States Patent [19]**Ohtake****[11] Patent Number: 5,487,180****[45] Date of Patent: Jan. 23, 1996****[54] METHOD OF DETERMINING INITIAL TRANSMISSION POWER****[75] Inventor: Koji Ohtake, Kawasaki, Japan****[73] Assignee: Fujitsu Limited, Kanagawa, Japan****[21] Appl. No.: 215,093****[22] Filed: Mar. 17, 1994****[30] Foreign Application Priority Data**

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[51] Int. Cl.⁶ H04B 1/40**[52] U.S. Cl. 455/54.1; 455/69****[58] Field of Search 455/68, 69, 54.1,
455/54.2, 56.1, 63, 70; 379/59, 60****[56] References Cited****U.S. PATENT DOCUMENTS**4,435,840 3/1984 Kojima et al. 379/60
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Primary Examiner—Edward F. Urban**[57] ABSTRACT**

A method for determining an initial transmission power in a mobile communication system having a base station and at least one mobile station includes measuring at the mobile station, a reception level of a control channel leading from the base station to the mobile station, and determining an initial transmission power value of a talk channel leading from the base station to the mobile station, based on the reception level measured at the mobile station.

8 Claims, 30 Drawing Sheets